



# ***National Environmental Achievement Track***

## ***Application Form***

YSI Incorporated

Name of facility

(same)

Name of parent company (if any)

1725 Brannum Lane

Street address

Street address (continued)

Yellow Springs, OH 45387

City/State/Zip code

Give us information about your contact person for the  
National Environmental Achievement Track Program.

Name Lisa M. Abel

Title Leader, Sustainability Strategies

Phone 937-767-7241, ext. 255

Fax 937-767-9353

E-mail Lmabel@ysi.com

***Why do we need this information?***

EPA needs background information on your facility to evaluate your application.

***What do you need to do?***

- Provide background information on your facility.
- Identify your environmental requirements.

# Section A

*Tell us about your facility.*

1 What do you do or make at your facility?

Design and manufacture precision sensors and measuring equipment for the biosystems market. Specific market segments include environmental monitoring, water testing and analysis, food and beverage processing, biotechnology, cell culture, fermentation, and health care.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC  
3823, 3826

NAICS  
334513, 334516

3 Does your company meet the Small Business Administration definition of a small business for your sector?

X Yes      \_\_\_ No

4 How many employees (full-time equivalents) currently work at your facility?

\_\_\_ Fewer than 50

\_\_\_ 50-99

X 100-499

\_\_\_ 500-1,000

\_\_\_ More than 1,000

## Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes      ☐ No

If yes, list in the right-hand column.

OHD004246716

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right *or* enclose a completed Checklist with your application.

See attached checklist.

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

Because YSI is a small quantity generator of waste, many of the aspect categories defined by NEAT do not apply to YSI's EMS. For example, we do not generate air emissions, discharges to water, or accidental releases. Therefore, we are limited in the types of aspects we qualify for in the NEAT application.

Our track record as a small, clean manufacturing facility serves as evidence of our commitment to environmental management and improvements.

YSI manufactures a wide variety of products. We have hundreds of major saleable units, ranging from benchtop instruments to handheld data collection units, and from probes to calibration solutions. This wide variety of product types makes it difficult to use the metrics put forth in NEAT under "Product Performance Aspects and Improvements." Nevertheless, we have begun implementing some basic design rules to improve the environmental impact of our new products.

***Why do we need this information?***

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

***What do you need to do?***

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

# Section B

*Tell us about your EMS.*

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

*a.* Environmental policy

X Yes

*b.* Planning

X Yes

*c.* Implementation and operation

X Yes

*d.* Checking and corrective action

X Yes

*e.* Management review

X Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)?

X Yes

3 Did this cycle include both an EMS and a compliance audit?

X Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS?

X Yes

If yes, what method of EMS assessment did you use?

\_\_ Self-assessment

☐ GEMI

☐ Other

☐ CEMP

X Third-party assessment

X ISO 14001 Certification

\_\_ Other

# Section C

*Tell us about your past achievements and future commitments.*

## ***Why do we need this information?***

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

## ***What do you need to do?***

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

## ***First aspect you've selected***

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Total Solid Waste	32.76	Tons/year	24.96	Tons/year
i. How is the current level an improvement over the previous level?				
Current level, at 2.08 tons per month, is a 24% reduction in our solid waste stream from two years ago, when it was at 2.73 tons per month.				
ii. How did you achieve this improvement?				
We have initiated and/or increased our recycling efforts. We now recycle or find alternative uses for office paper, cardboard, batteries, printed circuit boards, metals, beverage containers, office equipment, and computers. We have begun implementing several paperless processes to reduce the amount of paper used and recycled.				

**Second aspect you've selected**

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Total (Facility) Energy Use per Unit	Quantity 547,001	Units BTU/unit	Quantity 411,605	Units BTU/unit
<p>i. How is the current level an improvement over the previous level?</p> <p>Energy use in the facility has dropped by 10% while the number of units produced has increased by 20%, giving us a 25% improvement in BTUs per unit built. This represents a partial decoupling of energy used per units produced.</p> <p>ii. How did you achieve this improvement?</p> <p>We have implemented improvements to our HVAC systems to realize better energy efficiencies. We have made more efficient use of our facilities and equipment. As unit sales have increased, we have been able to use the existing facility to absorb the increase. We have also improved manufacturing flows to be able to deliver an increase in units without increasing use of energy-consuming production equipment, such as ovens, test equipment, and burn-in racks.</p>				

2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

**Note to small facilities:** If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

**First aspect you've selected**

a. What is the aspect?	Total Energy Use	
b. Is this aspect identified as significant in your EMS?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.	<input type="checkbox"/> Option A: Absolute value  <input checked="" type="checkbox"/> Option B: In terms of units of production or output	411,605 BTU/unit (Quantity/Units)

- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☐ Option A:  
Absolute value
- ☒ Option B:  
In terms of units of production or output
- 350,000 BTU/unit  
(Quantity/Units)
- e. How will you achieve this improvement?
- Plans include eliminating a process reheat function during the summer months, replacing metal halide lights with high efficiency fluorescents, and increasing energy efficiencies throughout the whole facility as production units increase.

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### ***Second aspect you've selected***

- a. What is the aspect?
- Total Solid Waste
- b. Is this aspect identified as significant in your EMS?
- ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:  
Absolute value
- 24.96 tons/year  
(Quantity/Units)
- ☐ Option B:  
In terms of units of production or output
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:  
Absolute value
- 21 tons/year  
(Quantity/Units)
- ☐ Option B:  
In terms of units of production or output
- e. How will you achieve this improvement?
- There are many opportunities for us to send fewer things to the landfill as we continue to increase manufacturing and material efficiencies. For example, we are focusing on 50-75% reductions in scrap, rework, and warranty issues, which will mean fewer broken products in the waste stream. Also, we have several initiatives planned to continue moving toward electronic, paperless systems of information sharing. We also plan to work with suppliers to reduce the amount of packaging materials we receive with our raw goods.

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### ***Third aspect you've selected***

- |   |   |   |
|---|---|---|
| a. What is the aspect?  | Recycled Materials Use  |   |
| b. Is this aspect identified as significant in your EMS?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |   |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.   | <input checked="" type="checkbox"/> Option A:<br>Absolute value   | 0% recycled content<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output   |   |
| d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:<br>Absolute value   | 5% recycled content<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output   |   |
| e. How will you achieve this improvement?   | Increase recycled material content in new products, especially in molded plastic parts. Also, increase the recycled material content in purchased paper products. |   |

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### ***Fourth aspect you've selected***

- |   |  |                                |
|---|--|--------------------------------|
| a. What is the aspect?  | Habitat Impacts  |                                |
| b. Is this aspect identified as significant in your EMS?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                                |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.   | <input checked="" type="checkbox"/> Option A:<br>Absolute value  | 0.33 acres<br>(Quantity/Units) |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output  |                                |
| d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:<br>Absolute value  | 2.0 acres<br>(Quantity/Units)  |
|   | <input type="checkbox"/> Option B:<br>In terms of<br>units of production<br>or output  |                                |
| e. How will you achieve this improvement?   | Continuously convert land that the facility is on from non-native grass to native prairie grass, wetland areas, and/or wooded areas. |                                |



### ***Why do we need this information?***

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

# *Section D*

*Tell us about your public outreach and reporting.*

### ***What do you need to do?***

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

As part of our EMS, we have in place a feedback system. Customers, suppliers, and members of the general public may (and do) contact us in a variety of ways if they have questions or concerns about our environmental performance or impacts. Per our procedures, we respond either via mail, email, phone, or face-to-face. Both inquiries and responses are documented.

YSI is a member of both the Yellow Springs and Dayton Chamber of Commerce. As such, we have the opportunity to hear about community concerns and respond proactively.

YSI actively supports and participates in efforts by local/regional environmental groups (Miami Valley River Index, Glen Helen Ecology Institute, Community Service Incorporated, Yellow Springs Environmental Commission, Ohio Alliance for the Environment, Children's Water Festival).

2 How do you inform community members of important matters that affect them?

YSI communicates with members of the community via press releases, the YSI website, advertisements or articles in local papers, and announcements at Chamber of Commerce meetings.

Also, because our products are used to monitor conditions in water, we advise customers and other affiliates of the things we can help measure and monitor.

YSI employees participate in local and regional talks, presentations, and panel discussions regarding environmental issues and the company's vision of ecological sustainability. YSI employees also serve as technical advisors to federally-funded environmental grant programs, such as the 1999-2000 EMPACT grant for the Miami Valley River Index Project and a 319 grant to the Greene County Soil and Water Conservation District for the Little Miami River project.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website: www.ysi.com

☒ Newspaper

☐ Open Houses

☒ Other

- Chamber of Commerce announcements
- Press Releases
- Online newsletters to customers
- Internal communications to employees
- Communications to company shareholders, such as the annual report

4 Are there any ongoing citizen suits against your facility? ☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/Citizen Group</i>	Miami Valley River Index/ MVRPC	Scott Hammond	937-223-6323
	Yellow Springs Environmental Commission	Carlos Landaburu	937-767-1787
<i>State/Local Regulator</i>	Ohio EPA SW District Office 401 E. 5 <sup>th</sup> St. Dayton, OH 45402-2911	Elisabeth Rothschild	937-285-6357
<i>Other community/local reference</i>	Community Service Inc. 114 E. Whiteman Yellow Springs, OH 45387	Marianne MacQueen	937-767-2161
	Yellow Springs Chamber of Commerce Yellow Springs, OH 45387	Betsy Newman	937-767-2686

# Section E

## Application and Participation Statement.

On behalf of YSI Incorporated,

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date



27 Sept, 2000

Printed Name/Title Rick Omlor, Senior Vice President

Facility Name YSI Incorporated

Facility Street Address 1725 Brannum Lane  
Yellow Springs, OH 45387

Facility ID Numbers OHD004246716

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail [ptrack@indecon.com](mailto:ptrack@indecon.com). Mail completed applications to:

The Performance Track Information Center  
c/o Industrial Economics Incorporated  
2067 Massachusetts Avenue  
Cambridge, MA 02140

## National Environmental Achievement Track

### *Environmental Requirements Checklist*

The following Checklist is provided to assist facilities in answering Section A, "Tell us about your facility," Question 6. The Checklist is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The Checklist is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

**Facility Name** YSI Incorporated  
**Facility Location:** 1725 Brannum Lane, Yellow Springs, OH 45387  
**Facility ID Number(s):** OHD004246716  
*(attach additional sheets if necessary)*

#### **Air Pollution Regulations**

Check All  
That Apply

- |   |                          |
|---|--------------------------|
| 1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61) | <input type="checkbox"/> |
| 2. Permits and Registration of Air Pollution Sources                    | <input type="checkbox"/> |
| 3. General Emission Standards, Prohibitions and Restrictions            | <input type="checkbox"/> |
| 4. Control of Incinerators  | <input type="checkbox"/> |
| 5. Process Industry Emission Standards                                  | <input type="checkbox"/> |
| 6. Control of Fuel Burning Equipment                                    | <input type="checkbox"/> |
| 7. Control of VOCs  | <input type="checkbox"/> |
| 8. Sampling, Testing and Reporting                                      | <input type="checkbox"/> |
| 9. Visible Emissions Standards  | <input type="checkbox"/> |
| 10. Control of Fugitive Dust  | <input type="checkbox"/> |
| 11. Toxic Air Pollutants Control  | <input type="checkbox"/> |
| 12. Vehicle Emissions Inspections and Testing                           | <input type="checkbox"/> |

**Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above**  
(identify)

- |          |                          |
|----------|--------------------------|
| 13. None | <input type="checkbox"/> |
| 14.      | <input type="checkbox"/> |

#### **Hazardous Waste Management Regulations**

- |   |                                     |
|---|-------------------------------------|
| 1. Identification and Listing of Hazardous Waste (40 CFR 261)         |                                     |
| - Characteristic Waste  | <input type="checkbox"/>            |
| - Listed Waste  | <input type="checkbox"/>            |
| 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262) |                                     |
| - Manifesting   | <input checked="" type="checkbox"/> |

- Pre-transport requirements ☐
- Record keeping/reporting ☒
- 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
  - Transfer facility requirements ☐
  - Manifest system and record-keeping ☐
  - Hazardous waste discharges ☐
- 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
  - General facility standards ☐
  - Preparedness and prevention ☐
  - Contingency plan and emergency procedures ☐
  - Manifest system, Record keeping and reporting ☐
  - Groundwater protection ☐
  - Financial requirements ☐
  - Use and management of containers ☐
  - Tanks ☐
  - Waste piles ☐
  - Land treatment ☐
  - Incinerators ☐
- 5. Interim Status Standards for TSD Owners and Operators (40 CFR 265) ☐
- 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267) ☐
- 7. Administered Permit Program (Part B) (40 CFR 270) ☐

**Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (identify)**

- 8. None ☐
- 9. ☐

**Hazardous Materials Management**

- 1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153) ☐
- 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302) ☐
- 3. Hazardous Materials Transportation Regulations (49 CFR 172-173) ☒
- 4. Worker Right-to-Know Regulations (29 CFR 1910.1200) ☒
- 5. Community Right-to-Know Regulations (40 CFR 350-372) ☐

**Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)**

- 6. None ☐
- 7. ☐

**Solid Waste Management**

- 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257) ☐
- 2. Permit Requirements for Solid Waste Disposal Facilities ☐
- 3. Installation of Systems of Refuse Disposal ☐

4. Solid Waste Storage and Removal Requirements ☐
5. Disposal Requirements for Special Wastes ☐

**Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)**

6. None ☐
7. ☐

**Water Pollution Control Requirements**

1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112) ☐
2. Designation of Hazardous Substances (40 CFR 116) ☐
3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117) ☐
4. NPDES Permit Requirements (40 CFR 122) ☐
5. Toxic Pollutant Effluent Standards (40 CFR 129) ☐
6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403) ☐
7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414) ☐
8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415) ☐
9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416) ☐
10. Water Quality Standards ☐
11. Effluent Limitations for Direct Dischargers ☐
12. Permit Monitoring/Reporting Requirements ☐
13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants ☐
14. Collection, Handling, Processing of Sewage Sludge ☐
15. Oil Discharge Containment, Control and Cleanup ☐
16. Standards Applicable to Indirect Discharges (Pretreatment) ☐

**Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)**

17. None ☐
18. ☐

**Drinking Water Regulations**

1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146) ☐
2. National Primary Drinking Water Standards (40 CFR 141) ☐
3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141) ☐
4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources ☐
5. Underground Injection Control Requirements ☐

6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems ☐

**Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above**(identify)

7. None ☐  
8. ☐

**Toxic Substances**

1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704) ☐  
2. Import and Export of Chemicals (40 CFR 707) ☐  
3. Chemical Substances Inventory Reporting Requirements (40 CFR 710) ☐  
4. Chemical Information Rules (40 CFR 712) ☐  
5. Health and Safety Data Reporting (40 CFR 716) ☐  
6. Pre-Manufacture Notifications (40 CFR 720) ☐  
7. PCB Distribution Use, Storage and Disposal (40 CFR 761) ☐  
8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762) ☐  
9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775) ☐

**Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above**  
(identify)

10. None ☐  
11. ☐

**Pesticide Regulations**

1. FIFRA Pesticide Use Classification (40 CFR 162) ☐  
2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165) ☐  
3. Certification of Pesticide Applications (40 CFR 171) ☐  
4. Pesticide Licensing Requirements ☐  
5. Labeling of Pesticides ☐  
6. Pesticide Sales, Permits, Records, Application and Disposal Requirements ☐  
7. Disposal of Pesticide Containers ☐  
8. Restricted Use and Prohibited Pesticides ☐

**Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above**  
(identify)

9. None ☐  
10. ☐

**Environmental Clean-Up, Restoration, Corrective Action**

1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify)  
None ☐  
☐



2. RCRA Corrective Action (identify)  
None

☐  
☐

**Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration,  
Corrective Action Regulations Not Listed Above (identify)**

3. None  
4.

☐  
☐